

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
1 March 2001 (01.03.2001)

PCT

(10) International Publication Number
WO 01/15300 A1(51) International Patent Classification⁷: H02J 13/00

(21) International Application Number: PCT/IB00/00096

(22) International Filing Date: 1 February 2000 (01.02.2000)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:
TO99A000720 20 August 1999 (20.08.1999) IT(71) Applicant (for all designated States except US): MER-
LONI ELETTRODOMESTICI S.P.A. [IT/IT]; Viale
Aristide Merloni, 47, I-60044 Fabriano (IT).

(72) Inventor; and

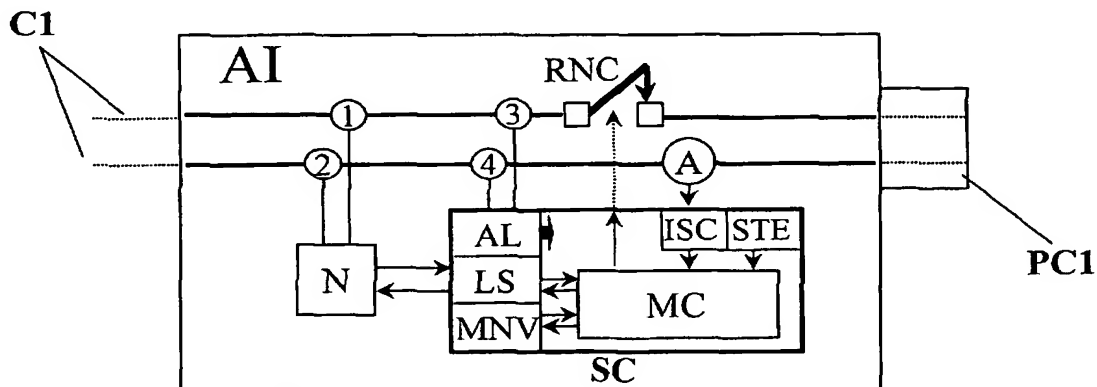
(75) Inventor/Applicant (for US only): AISA, Valerio [IT/IT];
Via Serraloggia, 78/A, I-60044 Fabriano (IT).(74) Agent: DINI, Roberto; Merloni Elettrodomestici S.p.A.,
Ufficio Brevetti e Marchi, Via Pinerolo, 25, I-10060 None
(IT).(81) Designated States (national): AE, AL, AM, AT, AT (uti-
lity model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN,
CR, CU, CZ, CZ (utility model), DE, DE (utility model),
DK, DK (utility model), DM, EE, EE (utility model), ES,
FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID,
IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ,
UA, UG, US, UZ, VN, YU, ZA, ZW.(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent
(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent
(AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU,
MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— With international search report.

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: DEVICE, SYSTEM AND METHOD FOR MONITORING A HOUSEHOLD ELECTRIC APPLIANCE



(57) Abstract: A device is described, for monitoring a household electric user (COT, LB, AU), in particular a household appliance, presenting an electric load, where said monitoring device (AI) is connected between a source of electric energy (PDC) and said electric load, said monitoring device (AI) comprising measuring means (A) for detecting the quantity of electric power or current absorbed by said user (COT, AL, AU), characterized in that said monitoring device (AI) comprises control means (SC), which are programmed for: comparing the absorption of electric power or current measured through said measuring means (A) with reference values of electric power or current, which are stored within said control means; generating, in function of said comparison, information which being representative of the present status or phase of operation of said electric user (COT, LB, AU); allowing said information to be read from outside said device (AI).

WO 01/15300 A1